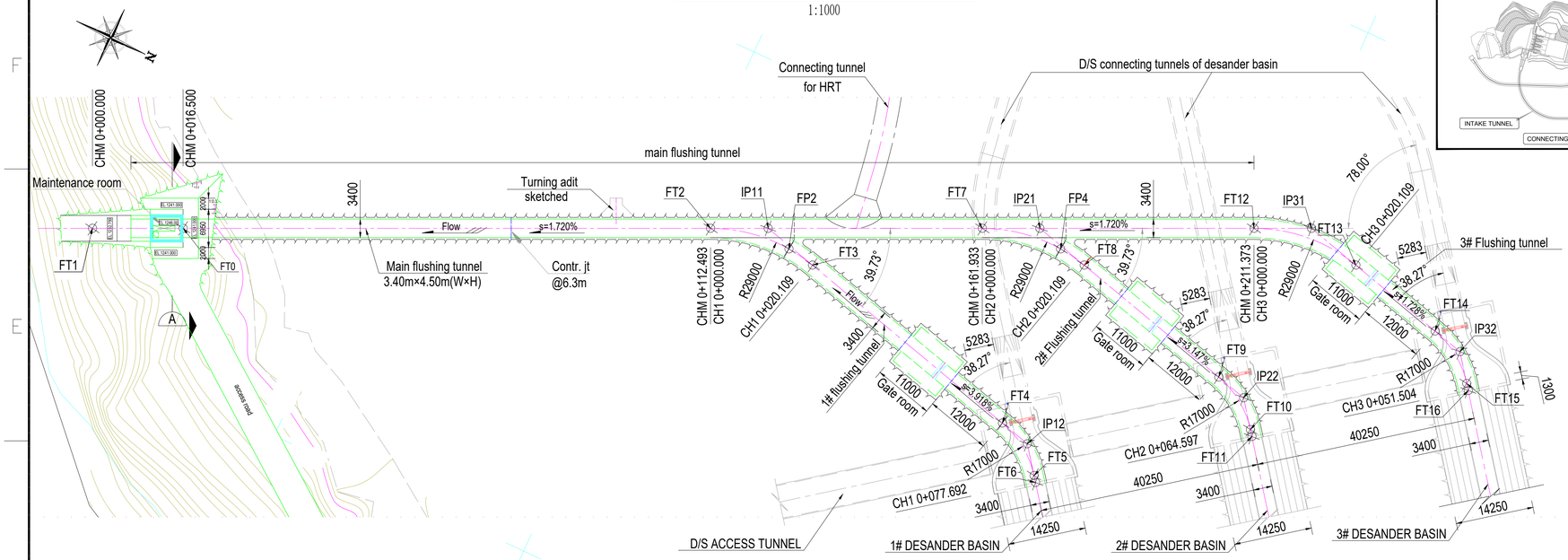
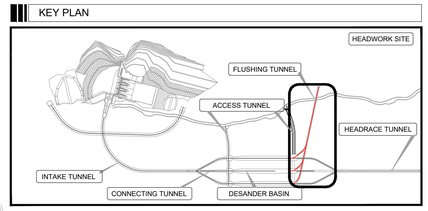
GENERAL PLAN OF FLUSHING TUNNEL

1:1000



KEY PLAN

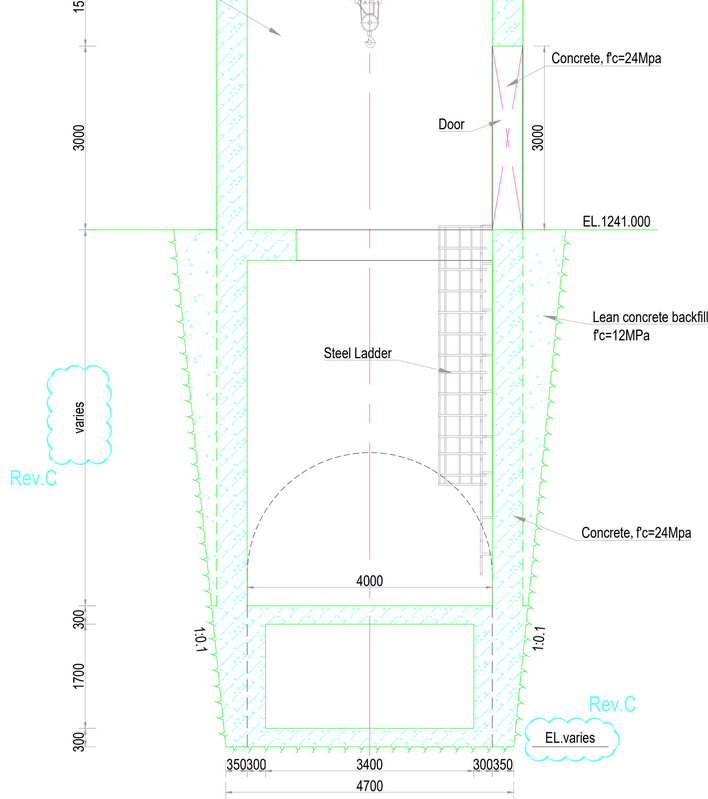


COORDINATES AND CHAINAGES OF CONTROL POINTS

Point No.	X(N) (m)	Y(E) (m)	Z(Level) (m)	Chainages (m)	Remark
FT1	3112204.163	627229.618	EL. 1232.750	CHM 0+000.000	B.P of Main flushing tunnel
FT2	3112306.290	627182.451	EL. 1234.608	CHM 0+112.493	B.P of 1# flushing tunnel
				CH1 0+000.000	
FT3	3112325.926	627180.759		CH1 0+020.109	1# flushing tunnel
FT4	3112369.333	627192.340		CH1 0+065.034	
FT5	3112378.565	627198.585		CH1 0+076.390	
FT6	3112379.344	627199.628	EL. 1237.095	CH1 0+077.692	E.P of 1# flushing tunnel
FT7	3112351.175	627161.721	EL. 1235.458	CHM 0+161.933	B.P of 2# flushing tunnel
				CH2 0+000.000	
FT8	3112370.810	627160.029		CH2 0+020.109	2# flushing tunnel
FT9	3112401.567	627168.236		CH2 0+051.942	
FT10	3112410.798	627174.480		CH2 0+063.297	
FT11	3112411.578	627175.521	EL. 1237.095	CH2 0+064.597	E.P of 2# flushing tunnel
FT12	3112396.059	627140.992	EL. 1236.309	CHM 0+211.373	B.P of 3# flushing tunnel
				CH3 0+000.000	
FT13	3112415.694	627139.300		CH3 0+020.109	3# flushing tunnel
FT14	3112433.801	627144.131		CH3 0+038.849	
FT15	3112443.032	627150.375		CH3 0+050.204	
FT16	3112443.812	627151.418	EL. 1237.095	CH3 0+051.504	E.P of 3# flushing tunnel
IP11	3112315.802	627178.058	/		I.P of 1# flushing tunnel
IP12	3112375.032	627193.861	/		
IP21	3112360.687	627157.328	/		I.P of 2# flushing tunnel
IP22	3112407.266	627169.756	/		
IP31	3112405.571	627136.599	/		I.P of 3# flushing tunnel
IP32	3112439.500	627145.651	/		
FT0	3112221.668	627221.533	EL.1232.952	CHM 0+016.500	

SECTION A-A

1:100



NOTE

1. All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
2. Numbers & location of turning adit are subjected to constructability & geological condition.

Legend:

- Inferred boundry between moderately weathered and slight weathered
- Excavation line
- Inferred ground water level
- Surface of 1st stage concrete
- Section of 1st stage concrete，f'c=24Mpa
- Section of 1st stage concrete，f'c=12Mpa
- Section of 2nd concrete

Scale:

1:500 0 5 10 15 20 25m

1:100 0 1 2 3 4 5m

REFERENCE DRAWINGS

UT1-C-030-CVL-DG-52001	Layout drawing of desander basin

SYMBOL AND LEGEND

FOR APPROVAL

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0D	04.Jan, 2023	Update	GUO YAO	ZHANG J.Q.	LI W.G, LIU Y.Z.
0C	24.Oct, 2022	AS RN-0292& RN-0298	GUO YAO	ZHANG J.Q.	LI W.G, LIU Y.Z.
0B	02.MAY, 2022	AS RN-0075	ZHANG KAI	ZHANG J.Q.	LI W.G, LIU Y.Z.
0A	28.JUL., 2021	FOR APPROVAL	WANG H.Q.	ZHANG J.Q.	LI W.G, LIU Y.Z.

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER

NWEDC NEPAL WATER AND ENERGY DEVELOPMENT CO. PVT. LTD.

OWNER'S ENGINEER

TRACTEBEL ENGIE　jade CONSULT

CONTRACTOR

DOOSAN Enerbility

DRAWING TITLE

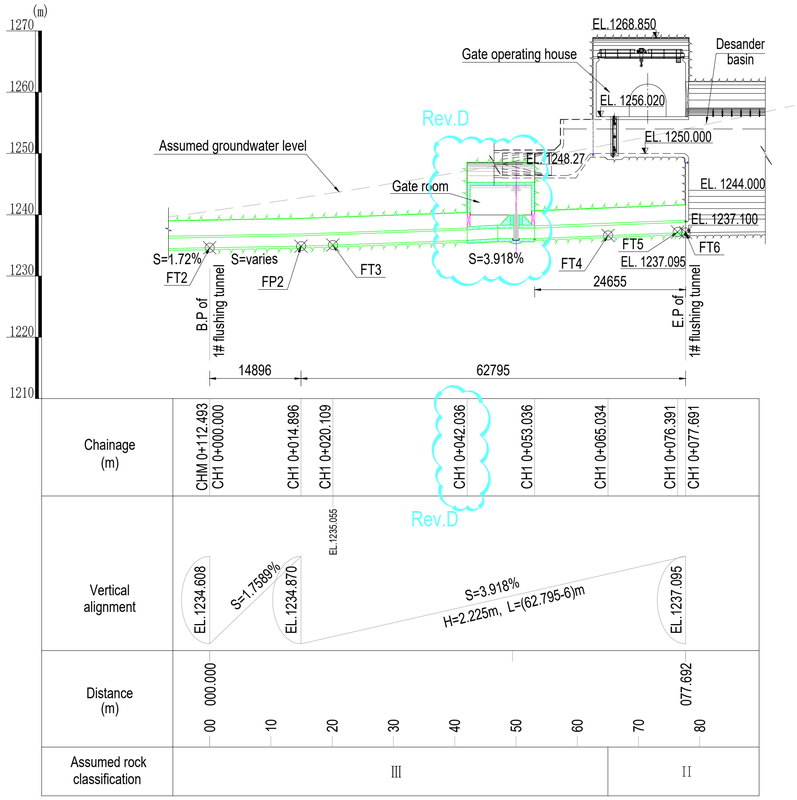
LAYOUT DRAWING OF FLUSHING TUNNEL (1/5)

INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-030-CVL-DG-53001	1 OF 5	D

A1 (594 x 841 MM)

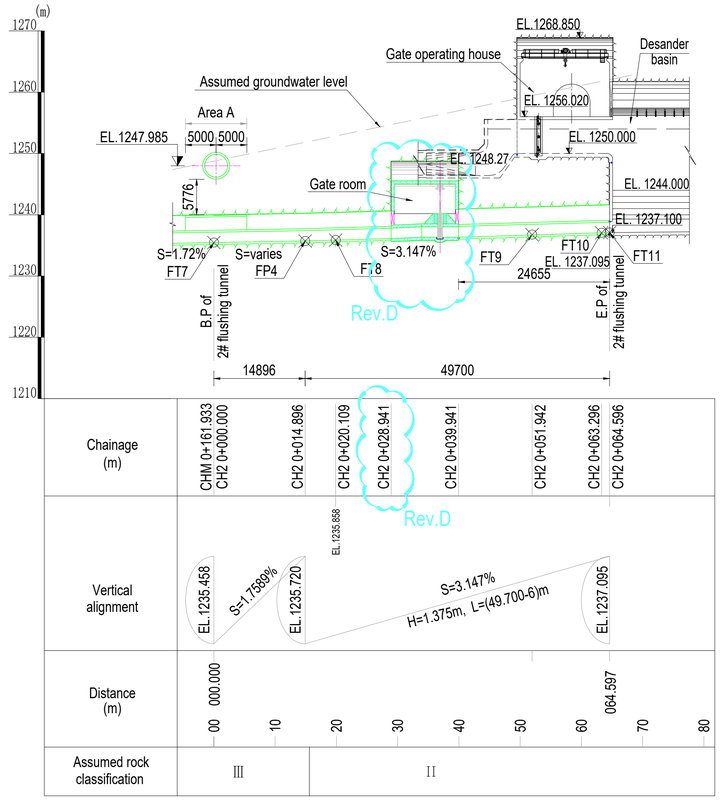
LONGITUDINAL PROFILE OF 1# FLUSHING TUNNEL

1:500



LONGITUDINAL PROFILE OF 2# FLUSHING TUNNEL

1:500



NOTE

1. All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.

Legend:

- Inferred boundry between moderately weathered and slight weathered
- Excavation line
- Inferred ground water level
- surface of 1st stage concrete
- section of 1st stage concrete，fc'=24Mpa
- section of 1st stage concrete，fc'=16Mpa
- Section of 2nd concrete

Scale:

1:500 0 5 10 15 20 25m

REFERENCE DRAWINGS

UT1-C-030-CVL-DG-52001	Layout drawing of desander basin

SYMBOL AND LEGEND

FOR APPROVAL

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0B	02.MAY, 2022	AS RN-0075	ZHANG KAI	ZHANG J.Q.	LI W.G, LIU Y.Z.
0A	28.JUL., 2021	FOR APPROVAL	WANG H.Q.	ZHANG J.Q.	LI W.G, LIU Y.Z.

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER

NWEDC NEPAL WATER AND ENERGY DEVELOPMENT CO. PVT. LTD.

OWNER'S ENGINEER

TRACTEBEL ENGIE | jade CONSULT

CONTRACTOR

DOOSAN Enerbility

DRAWING TITLE

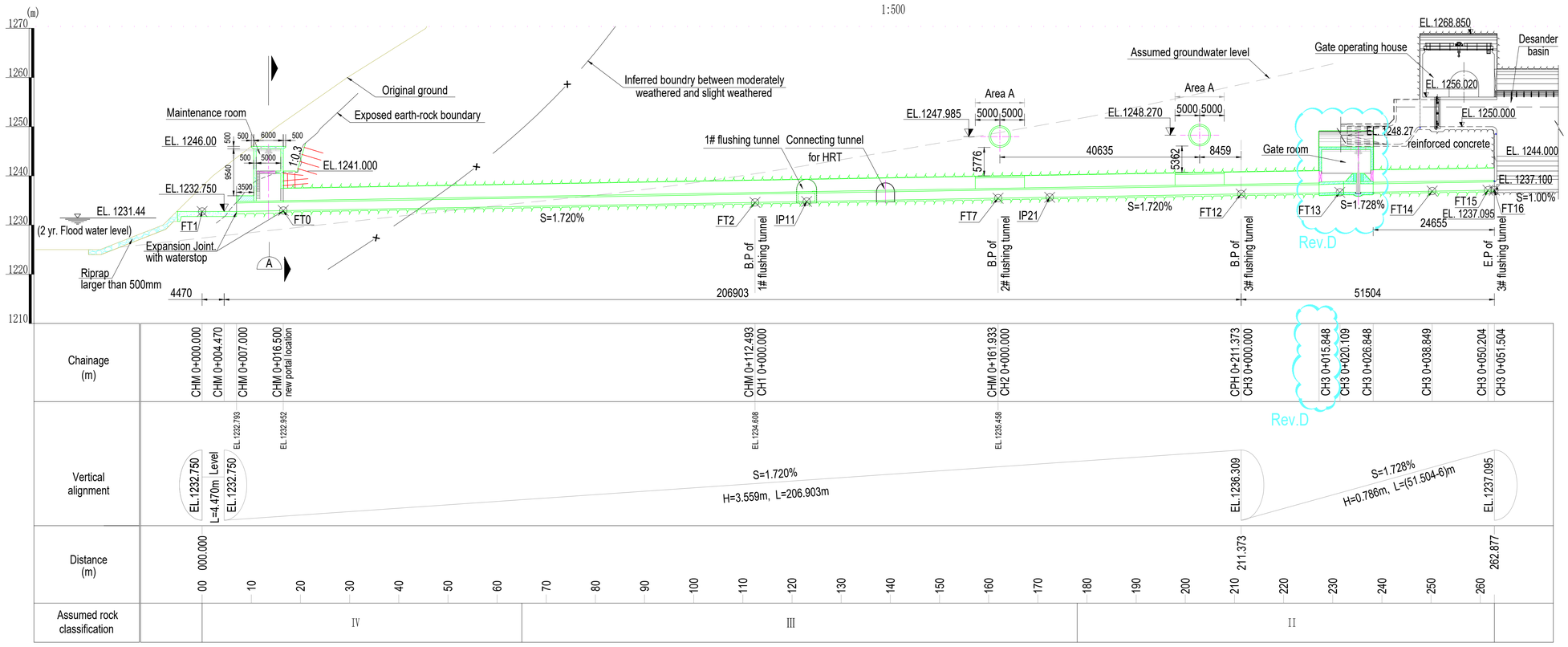
LAYOUT DRAWING OF FLUSHING TUNNEL (2/5)

INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-030-CVL-DG-53001	2 OF 5	D

A1 (594 x 841 MM)

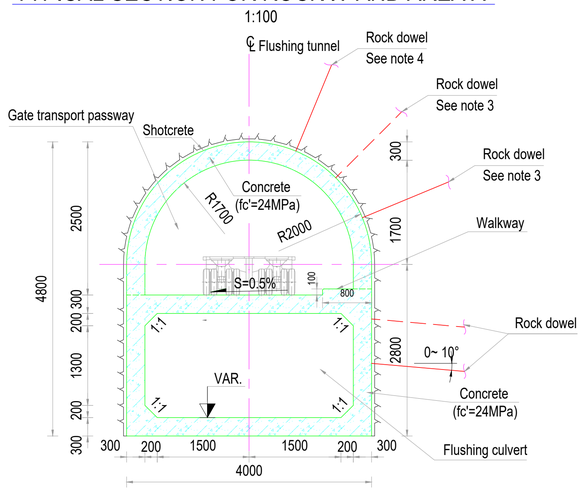
LONGITUDINAL PROFILE OF MAIN & 3# FLUSHING TUNNEL

1:500



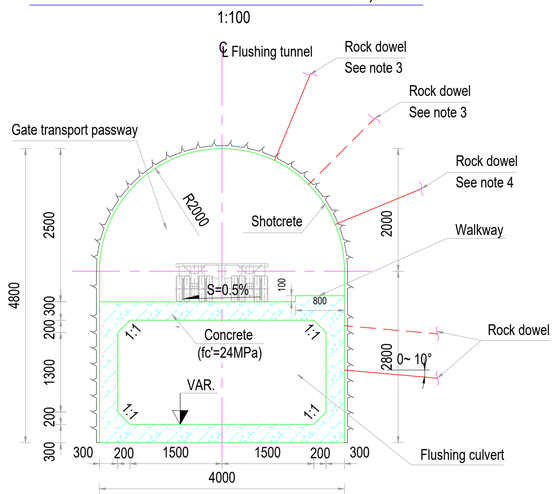
TYPICAL SECTION FOR ROCK IV AND AREA A

1:100



TYPICAL SECTION FOR ROCK III, II & I

1:100



NOTE

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Legend:

- Inferred boundry between moderately weathered and slight weathered
- Excavation line
- Inferred ground water level
- surface of 1st stage concrete
- section of 1st stage concrete，fc'=24Mpa
- section of 1st stage concrete，fc'=16Mpa
- Section of 2nd concrete

Scale:

1:500 0 5 10 15 20 25m

1:100 0 1 2 3 4 5m

REFERENCE DRAWINGS

UT1-C-030-CVL-DG-52001	Layout drawing of desander basin

SYMBOL AND LEGEND

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0A	28.JUL., 2021	FOR APPROVAL	WANG H.Q.	ZHANG J.Q.	LI W.G. LIU Y.Z.

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER

NWEDC NEPAL WATER AND ENERGY DEVELOPMENT CO. PVT.LTD.

OWNER'S ENGINEER

TRACTEBEL ENGIE | jade CONSULT

CONTRACTOR

DOOSAN Enerbility

DRAWING TITLE

LAYOUT DRAWING OF FLUSHING TUNNEL (3/5)

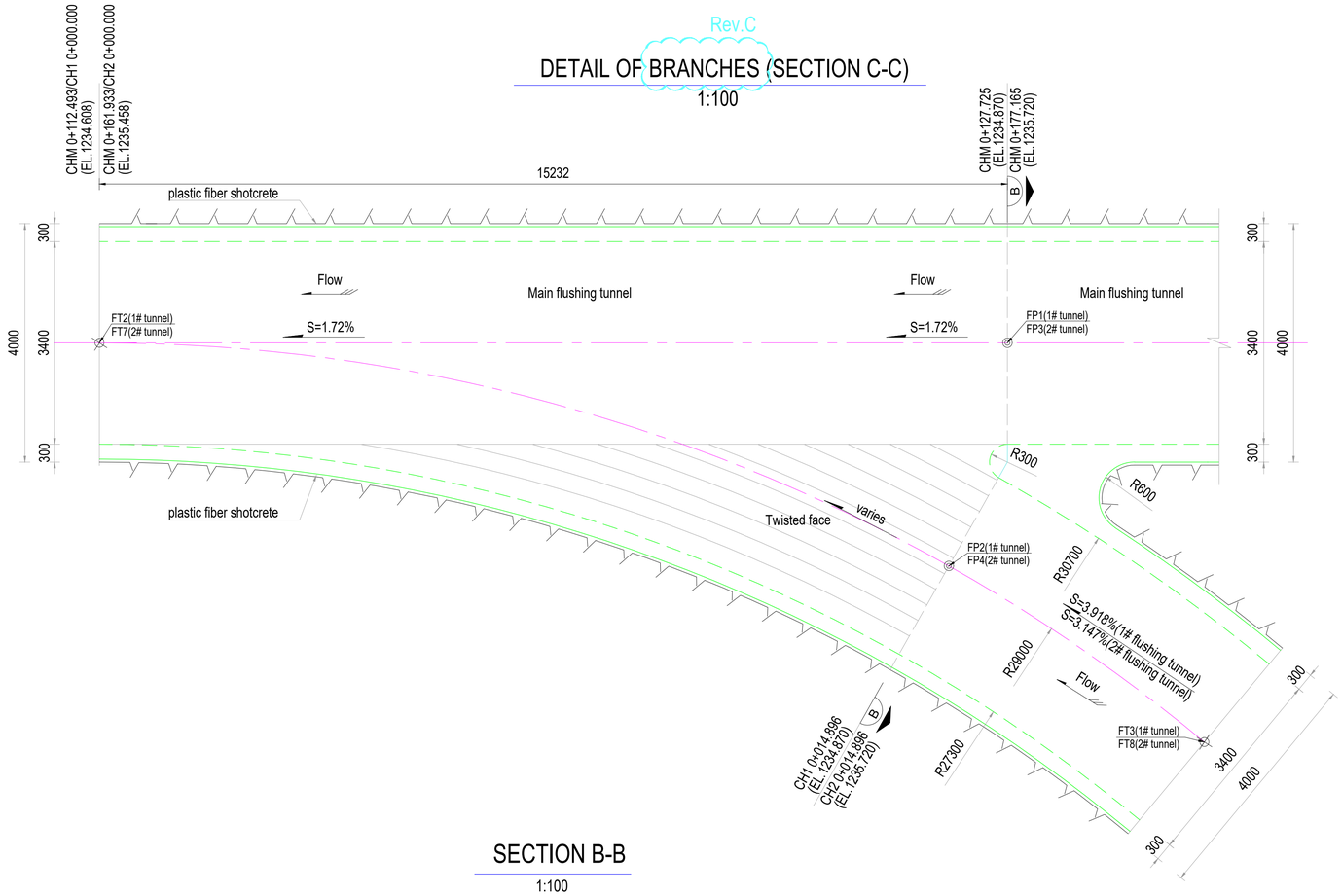
INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-030-CVL-DG-53001	3 OF 5	D

A1 (594 x 841 MM)

Rev.C

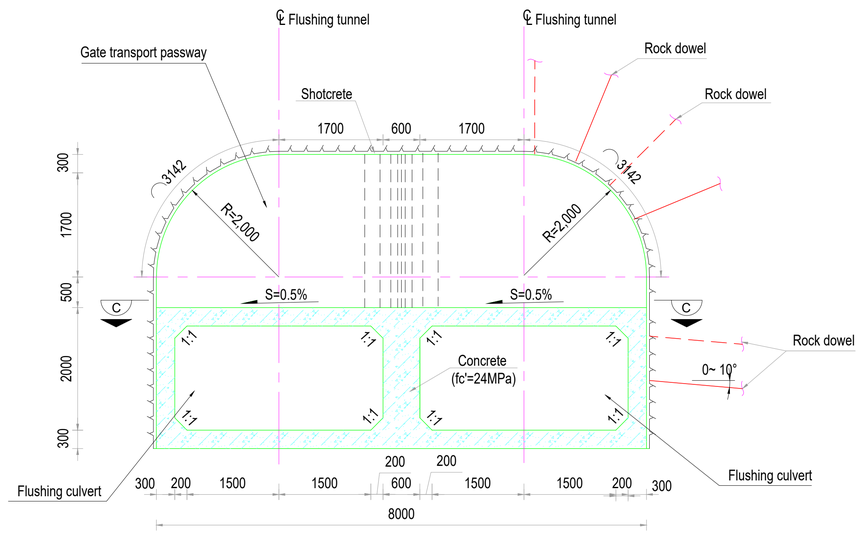
DETAIL OF BRANCHES (SECTION C-C)

1:100



SECTION B-B

1:100



NOTE

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Legend:

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- Excavation line
- Inferred ground water level
- surface of 1st stage concrete
- section of 1st stage concrete，fc'=24Mpa
- section of 1st stage concrete，fc'=16Mpa
- Section of 2nd concrete

Scale:

1:100 0 1 2 3 4 5m

REFERENCE DRAWINGS

UT1-C-030-CVL-DG-52001	Layout drawing of desander basin

SYMBOL AND LEGEND

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0A	28.JUL., 2021	FOR APPROVAL	WANG H.Q.	ZHANG J.Q.	LI W.G. LIU Y.Z.

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER

NWEDC NEPAL WATER AND ENERGY DEVELOPMENT CO. PVT. LTD.

OWNER'S ENGINEER

TRACTEBEL ENGIE | JADE CONSULT

CONTRACTOR

DOOSAN Enerbility

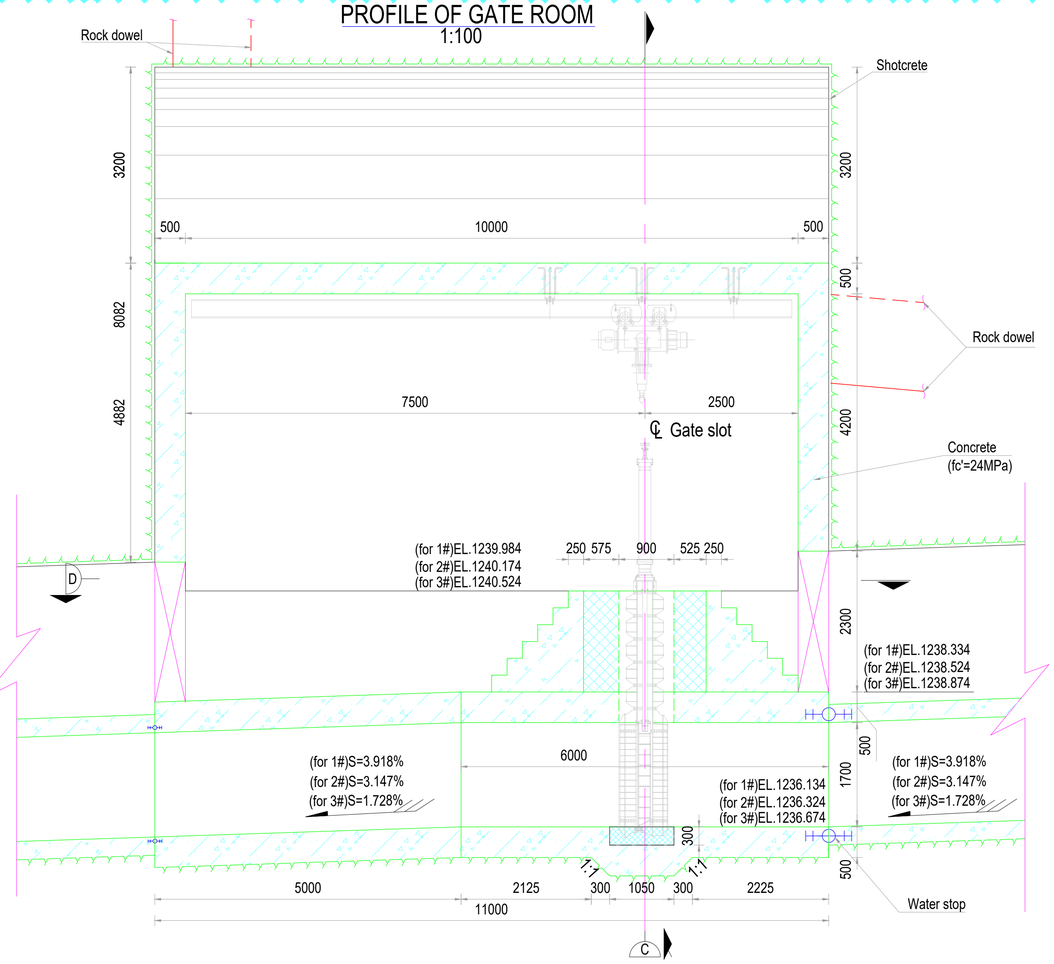
DRAWING TITLE

LAYOUT DRAWING OF FLUSHING TUNNEL (4/5)

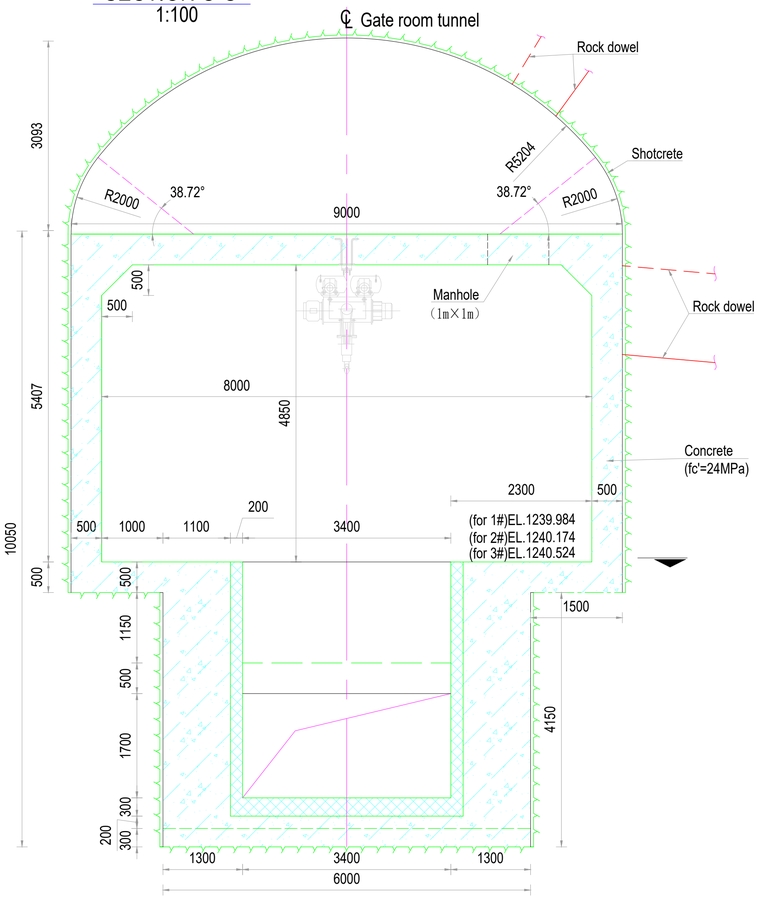
INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-030-CVL-DG-53001-04	4 OF 5	D

A1 (594 x 841 MM)

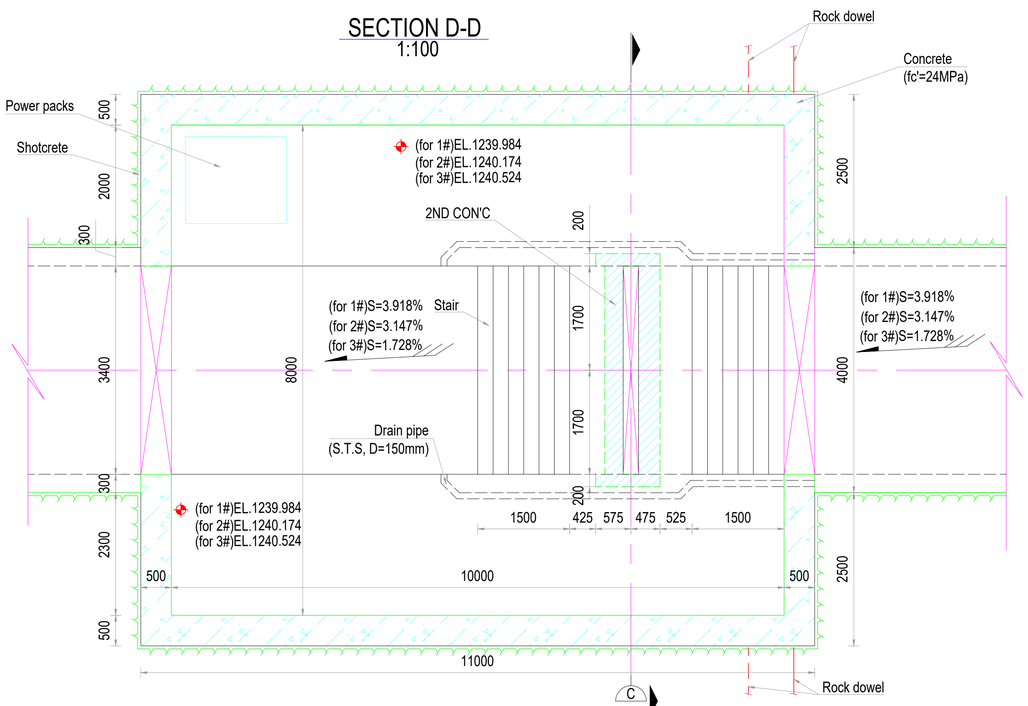
PROFILE OF GATE ROOM
1:100



SECTION C-C
1:100



SECTION D-D
1:100



Rev.D

NOTE

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Legend:

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- Excavation line
- Inferred ground water level
- surface of 1st stage concrete
- section of 1st stage concrete，fc'=24Mpa
- section of 1st stage concrete，fc'=16Mpa
- Section of 2nd concrete

Scale:

1:100 0 1 2 3 4 5m

REFERENCE DRAWINGS

UT1-C-030-CVL-DG-52001	Layout drawing of desander basin

SYMBOL AND LEGEND

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0A	28.JUL., 2021	FOR APPROVAL	WANG H.Q.	ZHANG J.Q.	LI W.G. LIU Y.Z.

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER

NWEDC NEPAL WATER AND ENERGY DEVELOPMENT CO. PVT. LTD.

OWNER'S ENGINEER

TRACTEBEL ENGIE | jade CONSULT

CONTRACTOR

DOOSAN Enerbility

DRAWING TITLE

LAYOUT DRAWING OF FLUSHING TUNNEL (5/5)

INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-030-CVL-DG-53001-05	5 OF 5	D

A1 (594 x 841 MM)